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03/07/01  
1057 U.S. PTO

EXPRESS MAIL CERTIFICATE

Date 3/7/01 Label No. EL706723006 US

I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Assistant Commissioner for Patents, Washington, DC 20231 by "Express Mail Post Office to Addressee" service.

PLEASE CHARGE ANY DEFICIENCY UP TO \$300.00 OR CREDIT ANY EXCESS IN THE FEES DUE WITH THIS DOCUMENT TO OUR DEPOSIT ACCOUNT NO. 04-0100

A. DiLullo A. DiLullo  
Name (Print) Signature



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PATENT TRADEMARK OFFICE

**DARBY & DARBY P.C.**

805 Third Avenue  
New York, New York 10022  
212-527-7700

Docket No: 2427/1G685US1

Box PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

Enclosed please find an application for United States patent as identified below:

Inventor/s (name ALL inventors): Patrick F. Kelly  
Cordova, TN

Elio F. Vanin  
Memphis, TN

Title: HIGH EFFICIENT GENE TRANSFER INTO HUMAN REPOPULATION STEM CELLS BY RD114 PSEUDOTYPED RETROVIRAL VECTOR PARTICLES

including the items indicated:

1. Specification and 37 claims: 5 indep.; 32 dep.;    multiple dep.; including 46 page(s) of written description; 5 page(s) of claims; 1 page(s) of abstract.
2. ☐ Drawings,    sheets
3. ☐ Executed Declaration/Power of Attorney  
☒ Unexecuted Declaration/Power of Attorney

1033 U.S. PTO  
09/801302  
03/07/01

4. ☐ Application Data Sheet under 37 C.F.R. §1.76.
5. ☐ Assignment for recording to: St. Jude Children's Research Hospital

☐ Assignment was recorded at Reel No. , Frame No. , on .

☒ Pursuant to 37 C.F.R. §1.215(b), please print the following assignment information on the face of the published application:

Assignee: St. Jude Children's Research Hospital

6. ☒ The applicant claims small entity status.
7. ☐ Priority is claimed under 35 U.S.C. §119(b) of:

Country:

Number:

Date:

A certified copy of the prior document ☐ is enclosed ☐ will follow  
☐ was filed in a previous application.

8. ☐ Request and Certification under 35 U.S.C. §122(b)(2)(B)(i) for Nonpublication.
9. ☒ Payment in amount of \$588.00, (\$588.00 filing; \$ recording)  
in the form of  
☒ check  
☐ deposit account no. 04-0100  
☐ credit card (see attached form)  
(See attached **Fee Computation Sheet**)
10. ☐ Preliminary Amendment
11. ☐ Information Disclosure Statement

The PRO did not receive the following  
listed item(s) check for \$588.00

12. ☐ Nucleotide or Amino Acid Sequence Listing.

☐ Hard Copy

☐ CRF

Date: March 7, 2001

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Paul F. Fehlner". The signature is fluid and cursive, with a horizontal line drawn underneath the name.

Paul F. Fehlner, Ph.D.

Reg. No. 35,135

Attorney for Applicant(s)

Serial No.

Docket No. 2427/1G685US1

PATENT FEE COMPUTATION SHEET

	No. of Claims Presented	Extra Claims Previously Paid For	Number of Extra Claims	Rate
Basic Fee . . . . .				\$710.00
Total Claims	37 - 20	- 0 = 17	x \$18.00	\$306.00
Independent Claims	5 - 3	- 0 = 2	x \$80.00	\$160.00
Multiple Dependent Claims		- if so, add	\$270.00	\$0.00
Charge for late submission of filing fee and/or declaration (\$130.00)				\$0.00
<b>SUBTOTAL</b> . . . . .				\$1176.00
Small Entity REDUCTION (Half of Subtotal) . . . . .				\$588.00
Fee for recordation of assignment (\$40.00) . . . . .				\$0.00
Charge for filing non-English language application (\$130.00) . . . . .				\$0.00
<b>TOTAL</b> . . . . .				\$588.00